

云南毛蚜属二新种

张广学 钟铁森

(中国科学院动物研究所 北京)

关键词: 毛蚜属 滇杨毛蚜 住杨毛蚜 滇杨 毛白杨 新种

本文记述云南杨树上的毛蚜科Chaitophoridae毛蚜属 *Chaitophorus* Koch, 1854 二新种。模式标本存中国科学院动物研究所。

滇杨毛蚜 *Chaitophorus populiyunnanensis* Zhang, 新种

与 *Chaitophorus leucomelas* Koch, 1854 近缘, 但头、胸、股节及腹管均淡色 (*C. leucomelas* 为深色); 体背片表皮光滑 (后者有小颗粒构造); 腹部背毛为触角节Ⅱ基宽的 2.0—8.8 (后者 3.0—6.5) 倍; 触角节Ⅱ的毛长为该节基宽的 4.3 (后者 3.0) 倍。

数据 头部毛 22—24, 前胸毛 20, 腹面背片毛 18—22; 触角节Ⅰ毛 4 或 5, Ⅱ4 或 5, Ⅲ14—18, Ⅳ8—12, Ⅴ4—6, Ⅵ2—3+0, 顶端 2; 嗉节Ⅳ+Ⅴ次生毛 6—8, 跗节Ⅰ7; 尾片毛 15—24, 尾板毛 30—36 根。长或宽 (毫米): 体长 2.06, 宽 1.16; 触角长 1.236, 节Ⅱ0.322, Ⅲ0.206, Ⅳ0.164, Ⅴ0.092+0.307, Ⅵ宽 0.039, 毛长 0.168; 嗉节Ⅳ+Ⅴ长 0.120, 后股节 0.487, 后胫节 0.811, 后跗节Ⅰ0.121, 头顶毛 0.200, 腹节Ⅰ毛 0.245, Ⅱ0.252, 背面短毛 0.084, 后胫节毛 0.162。

正模 无翅孤雌蚜, 玻片号 7155-1-3-2, 副模: 4 无翅孤雌蚜, 8 有翅孤雌蚜, 1980. V. 25, 云南丽江, 钟铁森采自滇杨。

住杨毛蚜 *Chaitophorus populihabitans* Zhang, 新种

与 *Chaitophorus truncatus* (Hausmann, 1802) 近缘, 但寄主植物为毛白杨, 不为寄柳 (*C. truncatus*, 多种柳树); 腹部背毛为触角Ⅱ基宽 2.0—8.3 (后者 4—6) 倍; 触角节Ⅱ毛为该节基宽的 0.60—2.3 (后者 2—4) 倍。有翅孤雌蚜触角节Ⅳ及Ⅴ有时各有次生感觉圈 1 个 (后者依次有 0—3, 0—2 个)。

数据 头部毛 36—42, 前胸毛 26—29; 腹节Ⅰ毛 48, Ⅱ20—21; 触角节Ⅰ毛 8, Ⅱ4, Ⅲ12, Ⅳ4 或 5, Ⅴ2—4, Ⅵ2 或 3+0 根, 顶端 2—3 根; 嗉节Ⅳ+Ⅴ次生毛 4—6; 跗节Ⅰ7, 尾片毛 7—9, 尾板毛 20—23 根。长或宽 (毫米): 体长 2.00, 宽

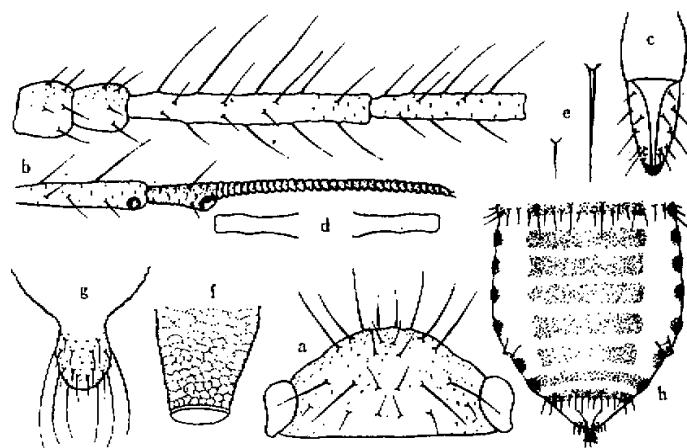


Fig. 1 *Chaitophorus populiunnanensis* Zhang, sp. nov.
Apterous viviparous female;

a dorsal view of head;	b antennal segment I-IV;
c apical rostral segments;	d mesosternal furca;
e dorsal setae;	f siphunculus;
g cauda;	
h dorsal view of abdominal pattern of pigmentation	

Alate viviparous female;

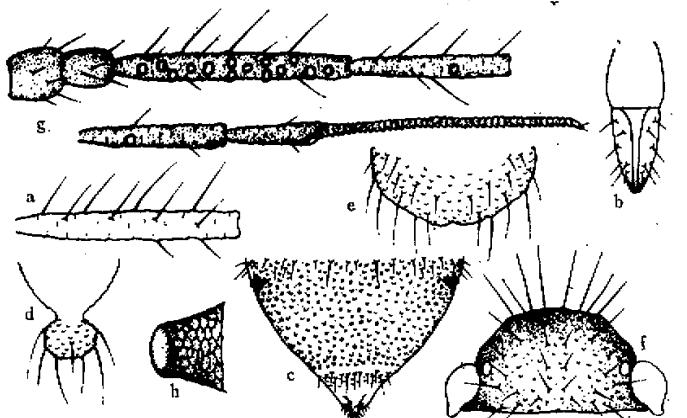


Fig. 2 *Chaitophorus populihabitans* Zhang, sp. nov.
Apterous viviparous female;

a antennal segment II;	b apical rostral segments;
c dorsal sculpture of abdominal segments II-IV;	d cauda;
e anal plate;	f dorsal view of head;
g antennal segments I-IV;	h siphunculus;

Alate viviparous female;

1.10; 触角长1.157, 节Ⅰ0.284, Ⅱ0.174, Ⅲ0.155, Ⅳ0.119+0.305, Ⅴ中宽0.034, 毛长0.096; 喙节Ⅳ+Ⅴ0.109; 后股节0.437, 后胫节0.655, 后跗节Ⅰ0.107, 头顶毛长0.176, 腹节Ⅰ毛0.168, 背毛0.196, 背面短毛0.059, 后胫节毛0.110。

正模 无翅孤雌蚜, 玻片号7196-1-2-3, 副模, 6 无翅孤雌蚜, 4 有翅孤雌蚜。
1980. V. 30. 云南丽江, 毛白杨, 钟铁森采。

参 考 文 献

Eastop, V. F. & D. Hille Ris Lambers, 1976 Survey of the world's aphids. Dr. W. Junk b.v., Publishers, The Hague. 1—572

Heie, Ole E. 1982 The Aphidoidea (Hemiptera) of Fennoscandia and Denmark. II. The family Drepanosiphidae. Scandinavian Science Press Ltd. Klampenborg. Denmark. 1—176

Higuchi, H. 1972 A taxonomic study of the subfamily Callipterinae in Japan. Insecta Matsum. 35:19—126

Stroyan, H. L. G. 1977 Homoptera Aphidoidea (part) Chaitophoridae & Callaphididae. Handbooks for identification of British insects. Vol. II part 4(a):1—130

TWO NEW SPECIES OF *CHAITOPHORUS* KOCHE FROM YUNNAN, CHINA (APHIDOIDEA, CHAITOPHORIDAE)

Zhang Guangxue Zhong Tiesen

(Institute of Zoology, Academia Sinica, Beijing)

In present paper 2 new species of *Chaitophorus* Koch are described. Type specimens are deposited in the Institute of Zoology, Academia Sinica.

Chaitophorus populiyanensis Zhang, sp. nov.

Differs from the closely related *Chaitophorus leucomelas* Koch, 1854 in the following features: Head, thorax, femur and siphunculus pale, tergites with cuticular smooth, abdominal tergites with setae 2.0—8.8x as basal width of 3rd antennal segment, 3rd antennal segment with setae 4.3x as basal width of the segment, 4th+5th rostral segments most often with 6—8 subsidiary setae.

Holotype, apterous viviparous female, no. 7155-1-3-2, paratypes, 4 apterous viviparous females and 8 alate viviparous females. Lijiang Xian, Yunnan Province, China, 25. V. 1980, on *Populus yunnanensis* Dode, Coll. Zhong Tiesen.

Chaitophorus populihabitans Zhang, sp. nov.

May be distinguished from the very closely related *Chaitophorus truncatus* (Hausmann, 1802) by the following features: *Populus alba* L. as hostplant, never on *Salix* spp.; abdominal tergites with setae 2.0—8.3x as basal width of 3rd antennal segment, 3rd antennal segment with setae 0.60—2.3x as basal width of the segment, 4th and 5th antennal segments at most with one secondary sensorium each occasionally.

Holotype, apterous viviparous female, no. 7196—1—2—3, paratypes, 6 apterous viviparous females and 4 alate viviparous females, Lijiang Xian, Yunnan Province, China, 30. v. 1980, on *Populus alba* L., Coll. Zhong Tiesen.

Key words *Chaitophorus*
Chaitophorus populi yunnanensis
Chaitophorus populi habitans
Populus yunnanensis
Populus alba
Species nova